

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Friedrich BOECKING
Based on : PCT/DE 2004/001199
Docket No. : R.305744
Customer No. : 02119

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b),
AND EXPLANATION OF THE RELEVANCE OF THE CITED PRIOR ART**

Sir:

The undersigned hereby requests that the prior art cited on the attached prior art statement be placed of record in the application file and be considered by the examiner.

This citation of prior art is made under 37 CFR 1.97(b), since it is being filed within three months of the filing date and before the mailing of a first Office Action.

The relevance of the prior art cited on the attached form PTO/SB/08a is as follows:

DE 101 45 622 A1

This invention relates to a valve for regulating fluids includes a piezoelectric actuator, a converter for converter the stroke of the piezoelectric actuator, an inwardly opening control valve, which is disposed in a valve chamber and on a first valve seat closes a connection to a low-pressure line. A nozzle needle is disposed in the control chamber. The control chamber is connected with a high-pressure line via a first supply throttle and with the valve chamber by means of a throttle, whereby the valve chamber is connected with the high-pressure line via a second supply throttle, in order to make possible a fast closing of the valve.

DE 100 19 765 A1

The invention relates to a valve for controlling liquids, comprising an actuator unit for activating an axially displaceable valve member which has a first piston and a second piston that is separated from the first piston by a hydraulic chamber and which activates a valve closing member that separates a low-pressure area with system pressure from a high-pressure area. For the purposes of compensating leakage, a filling device which can be connected to the high-pressure area is provided with a hollow space in which a throttle body is arranged in such a way that a line leading to the high pressure area opens into the hollow space at one end of the throttle body and at the other end, a system pressure line leading to the hydraulic transmission branches off. The geometrical fixing of the throttle body, a gap surrounding said throttle body and the dimensions of the piston along which the system pressure is reduced up to the low pressure area ensures that the system pressure is built up in accordance with the pressure in the high pressure area.

US 6,817,542 B2

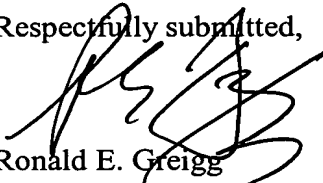
This patent is in the same family as DE 101 45 622 A1 and is provided as an aid to the examiner.

US 6,719,264 B2

This patent is in the same family as DE 100 19 765 A1 and is provided as an aid to the examiner.

Examination of this application is respectfully requested.

Respectfully submitted,



Ronald E. Greigg
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Attorney for Applicant(s)

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Date: Jan. 23, 2006

Customer No. 02119

REG/qmh

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SUBMISSION OF PRIOR ART

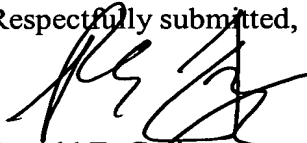
Sir:

The undersigned hereby requests that the prior art cited on the attached form PTO/SB/08a be printed on the bibliographic page of any patent issuing from this application.

The prior art listed on the attached form PTO/SB/08a is prior art which was cited in a Search Report for the International Application which ultimately translated under 35 U.S.C. 371 into this U.S. application.

In the event that the Patent and Trademark Office has not already obtained copies from WIPO, copies of this prior art are enclosed for the examiner's convenience.

Respectfully submitted,



Ronald E. Greigg
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Attorney For Applicant(s)

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Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	111/56538
Filing Date	
First Named Inventor	Friedrich BOECKING
Art Unit	
Examiner Name	
Attorney Docket Number	R.305745

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Sheet		1	of	1	
				Application Number	
				Filing Date	
				First Named Inventor	Friedrich BOECKING
				Art Unit	
				Examiner Name	
				Attorney Docket Number	R.305744

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		US- 2002/0179730	A1	12-05-2002	Friedrich Boecking	
		US- 2003/0062026	A1	04-03-2003	Friedrich Boecking	
		US- 2003/0098428	A1	05-29-2003	Patrick Mattes	
		US- 6,752,324	B1	06-22-2004	Patrick Mattes	
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind ⁵ (if known)				
		WO	01/31192	A1	05-03-2001	Patrick Mattes		
		DE	100 44 120	A1	04-04-2002	Friedrich Boecking		
		DE	100 19 764	A1	10-31-2001	Patrick Mattes		
		DE	101 01 802	A1	07-18-2002	Wolfgang Stoecklein et al.		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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